

A scientist is studying a hill that is 100 feet tall. She wants to make a model of it and the scale factor will be 1:5. How tall should the model be?





You build a model of the Statue of Liberty with a height of 5 feet. If the scale factor is 1: 30, how tall is the actual statue?



A 747 airplane has a length of 240 feet. A model of it in the store has a length of 4 feet. What is the scale factor?